#### **Foreword**

#### How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Soil Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

An error is associated with each forecast, and this error decreases as the season progresses and more data becomes available. To express the range of error that can be expected, "most probable" forecasts are issued along with a range representing a "reasonable minimum" and a "reasonable maximum". Actual streamflow can be expected to fall within this range in eight out of ten years. Additionally two specific scenarios are provided based on the assumption that subsequent precipitation will be "wet", above average, or "dry", below average.

#### For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola Ave., Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Building A, 3rd floor, Denver, CO 80211
ldaho	3244 Elder Street, Room 124, Boise, ID 83705
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	W. 920 Riverside, Room 360, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 "B" Street, Room 3124, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209-3489.

Water supply reports published by other agencies:

California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

## New Mexico Water Supply Outlook

#### and

# Federal — State — Private Cooperative Snow Surveys

#### Issued by

Wilson Scaling Chief Soil Conservation Service Washington, D.C.

#### Released by

Ray T. Margo Jr. State Conservationist Soil Conservation Service Albuquerque, New Mexico

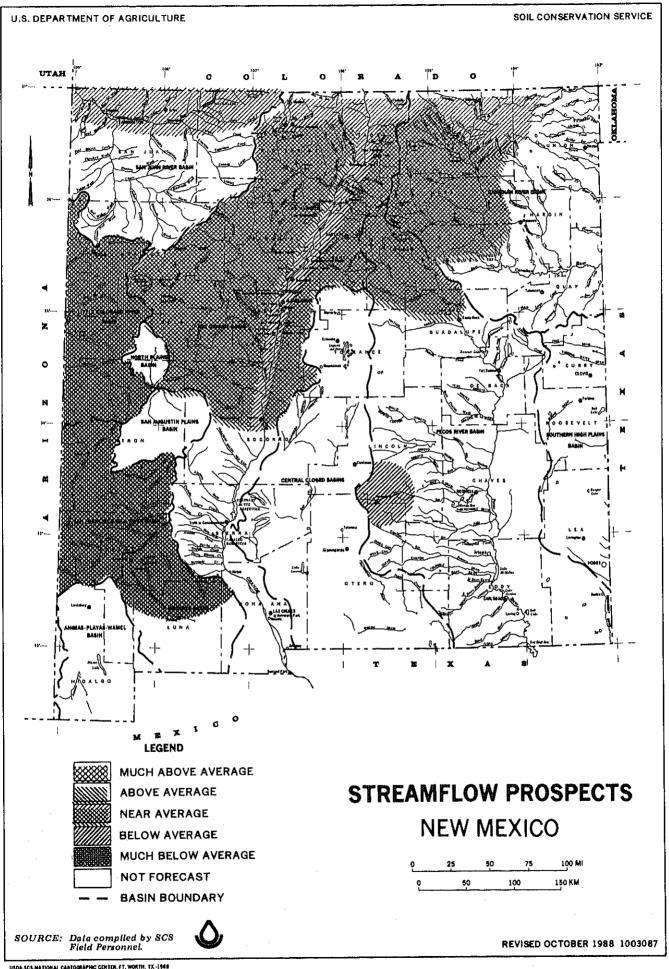
#### Prepared by

J. Kenneth Martin Water Supply Specialist Soil Conservation Service 517 Gold Ave., SW, Rm. 3301 Albuquerque, New Mexico 87102

"Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, or national origin."

## TABLE OF CONTENTS

Streamflow Prospects Map
General Outlook 2
Basin Outlook and Conditions
Canadian River Basin4Little Colorado River Basin6Mimbres River Basin8Pecos River Basin10Rio Grande Basin12San Francisco - Gila River Basin14San Juan River Basin16
Snow Data Measurements18



#### GENERAL OUTLOOK

#### SUMMARY

END OF THE MONTH SNOW SURVEYS INDICATE NEAR NORMAL SNOWPACK CONDITIONS OVER MOST OF THE NORTHERN HALF OF THE STATE. THE EXCEPTION WAS THE PECOS RIVER BASIN WITH ONLY 63 PERCENT OF AVERAGE. THE SOUTHWEST PART OF THE STATE CONTINUES TO BE MUCH BELOW NORMAL. THE MIMBRES BASIN HAS THE LOWEST SNOWPACK AT 60 PERCENT OF NORMAL FOR THIS TIME OF YEAR. A MAJOR STORM MOVED INTO NORTHERN NEW MEXICO ON FEBRUARY 3. DURING THE NEXT THREE DAYS, IT DEPOSITED HEAVY AMOUNTS OF SNOW OVER MOST OF THE NORTHERN MOUNTAINS. REPORTS OF SNOW-FALL EXCEEDING FOUR TO SIX FEET ARE COMMON AT THE HIGHER ELEVATIONS. DEPTHS OF ONE TO THREE FEET ARE REPORTED AT LOWER ELEVATIONS. THE SOUTHERN PART OF NEW MEXICO DID NOT BENEFIT AS MUCH FROM THIS STORM.

#### SNOWPACK

Accumulation of the winter snowpack continued at a very slow pace through January. The latest snow surveys indicate that conditions range from 60 percent of average in the Mimbres River Basin to a high of 122 percent of average in the Little Colorado River Basin in the Chuska Mountains. According to data from the SNOTEL sites located in the Northern Mountains, this number has now been exceeded. The Sangre De Cristo Mountains is now reported at 147 percent of average as a result of a major storm in the area on February 3-6, 1989.

#### **PRECIPITATION**

Precipitation across the State for the month of January ranged from 55 percent of average in the Mimbres River Basin to 147 percent of average in the upper part of the Pecos River Basin. The above average precipitation for the month in some Basins did not bring the totals for the Water Year up to average. Statewide precipitation totals for the Water Year range from 59 percent of average in the Mimbres River Basin to 97 percent of average in the Canadian River Basin.

#### RESERVOIRS

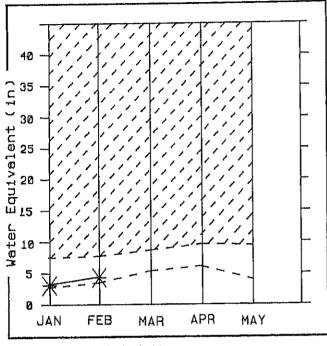
Reservoir storage in the thirteen westwide reservoirs in New Mexico at the end of January remains at 211 percent of average. Storage by basins ranges from 107 percent of average in the Pecos River Basin to 300 percent of average in the Rio Grande Basin.

#### STREAMFLOW

Streamflow volume forecasts on the Rio Grande Mainstem are for above average flows. Most forecasts for the Rio Grande tributaries in New Mexico range from near average to above average for the March-July forecast period. Forecasts for the Pecos, Canadian, and San Juan River Basins remain in the near normal range. The San Francisco - Gila River Basin, Mimbres, and Little Colorado River Basins remain in the below average to much below average range.

## Canadian River Basin

#### Mountain snowpack\* (inches)



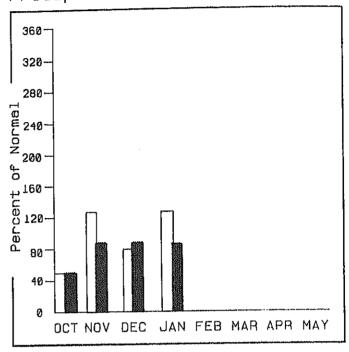
\*Based on selected stations

Maximum でスプス

Minimum PZZZ

Current

### Preciptation\* (percent of normal)



\*Based on selected stations

Monthly precipitation Year to date precipitation

#### WATER SUPPLY OUTLOOK

Streamflow volume forecasts for the March-June period have increased across the Basin. They now range from 98 percent of average on the Mora River near Golondrinas to 118 percent of average on the Vermejo River near Dawson.

For more information contact your local Soil Conservation Service office.

#### CANADIAN RIVER BASIN

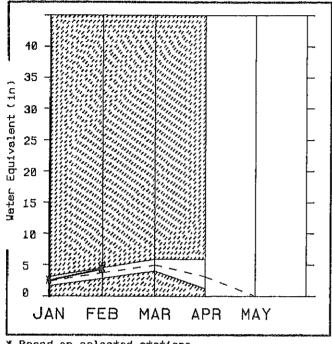
#### STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AYG. (1000AF)
VFRMEJO RIVER nr Dawson	MAR-JUN	6.0	118	7.0	5.0	10.9	2.3	5.1
CIMARRON RIVER blw Eagle Nest Dam 2	MAR-JUN	10,5	107	13.5	7.5	16.6	4.4	9.8
CIMARRON RIVER or Cimarron 2	MAR-JUN	15.5	109	19.3	11.7	25	6.4	14.2
MORA RIVER or Golondrinas	MAR-JUN	11.5	98	12.1	10.9	22	4.6	11.7
CANADIAN RIVER ar Sanchez 2	MAR-JUN	56	104	67	45	100	23	54
RESERVOIR	STORAGE		(1000ÅF)	 	WAT	ERSHED SNOWP	ACK ANALYS	 IS
	USEABLE	** USE	ABLE STORAGE			NO	•	IS YEAR AS % OF
RESERVOIR	CAPACITY	: THIS : YEAR	LAST YEAR A	¦ WAT .VG.	; WATERSHED ;		URSES G'D LA	ST YR. AVERAGE
CONCHAS	330.0	265.5	289.0 16		ADIAN RIVER 8		6 10	5 IVI

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
(1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
(2) - Corrected for upstream diversions or changes in reservoir storage.

### Little Colorado River Basin

#### Mountain snowpack※(inches)



\* Based on selected stations

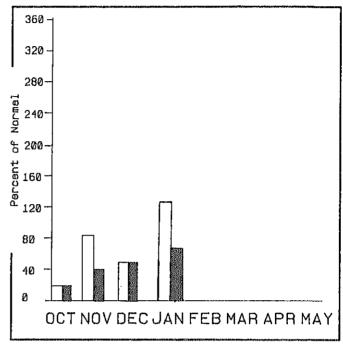
Maximum 区定为

Minimum gyzyz

Current ₩

Average

#### Precipitation% (percent of normal)



\* Based on selected stations

Monthly precipitation Year to date precipitation

#### WATER SUPPLY OUTLOOK

Streamflow volume forecasts for the Basin have improved but remain in the much below average range. Snowpack conditions have improved to near average but low soil moisture conditions may reduce the volume expected to run off. Estimated reservoir storage at the end of January ranges from 40 percent of capacity in Nutria No. 3 to 90 percent of capacity in the Nutria Irrigation Reservoir.

For more information contact your local Soil Conservation Service office.

#### LITTLE COLORADO RIVER BASIN

#### STREAMFLOW FORECASTS

		YEAR		i. i			AVG'D		T YR.	AVERAGE
RESERVOIR	USEABLE : CAPACITY:		ABLE STORAGE **		ERSHED		NO. Course		S YEAR	AS % OF
RESERVO	IR STORAGE	(	(1000AF)		WATE	rshed sn	OWPACK	ANALYSI	\$	
UNI R abv Black Rock Res 2	FEB-MAY	2.5	27	6.0	1.2	11	.1	1.0		9,2
IO NUTRIA nr Ramah abv Upper Nut	ria FEB-MAY	3.4	87	4.5	2.3	8	.2	1.4		5.1
FORECAST POINT	PERIOD	PROBABLE (1000AF)	PROBABLE (% AVG.)	SUBS. (1000AF)	SUBS. (1000AF)	MA (1000)		MIN. 000AF)		AVG. (1000AF)

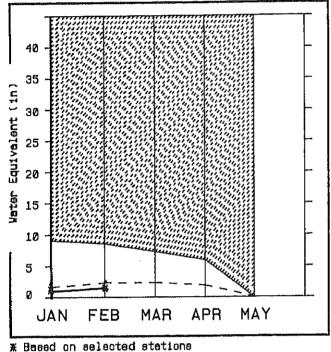
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively. REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

<sup>(1) -</sup> REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.

<sup>(2) -</sup> Corrected for upstream diversions or changes in reservoir storage.

### **Mimbres River Basin**

#### Mountain snowpack% (inches)

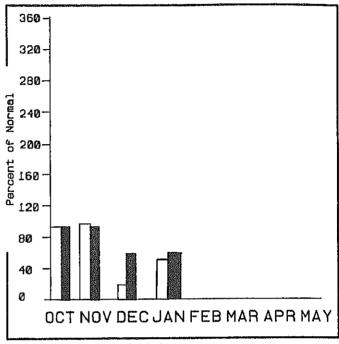


Maximum EXXXX

Minimum [2223

Average Current

#### Precipitation% (percent of normal)



\* Besed on selected stations

Monthly precipitation Year to date precipitation

#### WATER SUPPLY OUTLOOK

Snowpack conditions in the Basin are still much below average. Assuming normal precipitation for the remainder of the season, the forecast streamflow volume on the Mimbres River is for 58 percent of average during the Jan-May period. Irrigation water supplies may not be adequate this spring.

For more information contact your local Soil Conservation Service office.

#### MIMBRES RIVER BASIN

		STREA	MFLOW FORECAST	S					
FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)		WET SU8S. (1000AF)	ORY SUBS. (1000AF)	REAS. MAX. (1000AF)	MIN		25 YR. AVG. (1000AF)
MIMBRES RIVER at Mimbres	FE8-MAY	2.8	58	4.5	1,1	8.8	1.	1	4.8
	RESERVOIR STORAGE		1000AF)	 	ITAN	ershed snowpa	ick anal	YSIS	
	USEABLE :		BLE STORAGE **		ERSHED	NO.	JRSES	THIS YE	AR AS % OF
RESERVOIR	CAPACITY:	THIS YEAR	LAST Year avg	•	נאטחבט			LAST YE	. AVERAGE
<u> </u>			s como conoción	HIM	BRES RIVER BA	SIN S	}	36	60

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

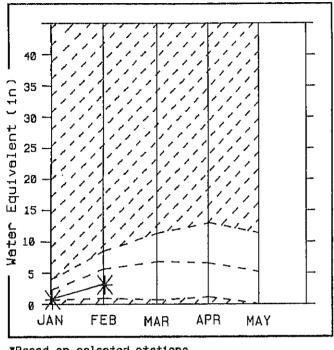
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

(1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

### **Pecos River Basin**

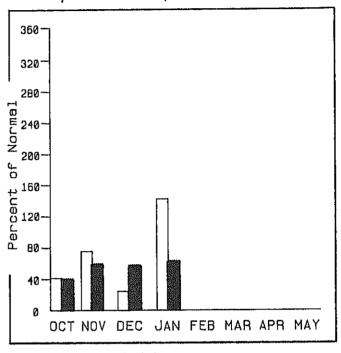
#### Mountain snowpack\* (inches)



\*Based on selected stations

Mex1mum Minimum

Average Current # Preciptation\* (percent of normal)



\*Resed on selected stations

Monthly precipitation | Year to date precipitation

#### WATER SUPPLY OUTLOOK

Streamflow volume forecasts for the Basin remain in the near normal range. The Upper Basin ranges from 92 percent of average to 94 percent of average. The Rio Ruidoso in the Lower Basin has the highest forecast at 97 percent of average.

For more information contact your local Soil Conservation Service office.

#### PECOS RIVER BASIN

#### STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
GALLINAS CREEK nr Montezuma	MAR-JUL	7.0	93			19.9	2.8	7.5
PECOS RIVER or Pecos	MAR-JUL	46	94	48	43	87	19.1	49
PECOS RIVER nr Anton Chico	MAR-JUL	47	92	50	45	90	18.9	51
RIO RUIDOSO at Hollywood	MAR-JUN	6.0	97	7.4	4.6	11.2	2.5	6.2
RESERV	OIR STORAGE	(	1000AF)	         	WATE	rshed <b>snowp</b> ac	K ANALYSIS	न का गांवा त्रारा नाम नाम त्राव प्रकार पाने प्राप्त नाम त्राव स्थाप कर व्य
DESEGNATO	USEABLE :		BLE STORAGE **		**************************************	NO.		YEAR AS % OF
RESERVOIR	CAPACITY:		LAST YEAR AVO		RSHED	COUR AVG		YR. AVERAGE
LAKE AVALON	6.0	0.1	3,8 3.	5 PECO	S RIVER BASIN	6	62	63
LAKE MOMILLAN	34.0	10.0	21.0 17.	6				
SANTA ROSA	447.0	82.0	111.5 22.	6				
		Mada Sala	a Arthrey Color and Arthrey	1				

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

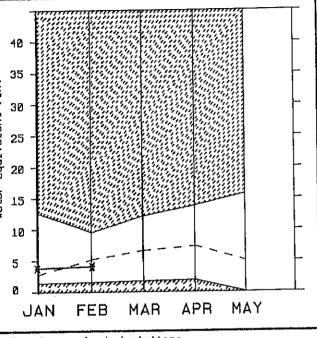
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

(1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.

<sup>(2) -</sup> Corrected for upstream diversions or changes in reservoir storage.

### Rio Grande Basin

### lountain snowpack\*(inches)

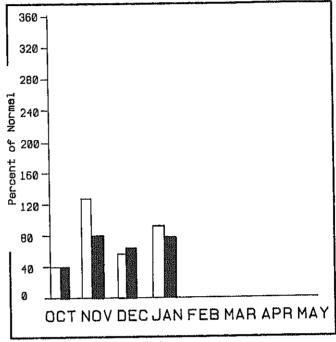


\* Based on eslected stations

Max1mum Minimum

Average Current

#### Precipitation% (percent of normal)



\* Besed on selected stations

Monthly precipitation Year to date precipitation

#### WATER SUPPLY OUTLOOK

Snowpack conditions improved during January to near average across the Basin. Conditions in Southern Colorado showed more improvement. As a result, the forecasts on the Rio Grande Mainstem moved into the above average category. An intense storm moved into the Basin during the first few days of February. Snowfall depths of several feet have been reported over large areas of the Upper Basin.

For more information contact your local Soil Conservation Service office.

#### STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST	MOST Probable	NET SUBS. (1000AF)	DRY Subs.	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
RIO GRANDE nr Del Norte 2	APR-SEP	565	111	625	505	795	335	510
CONEJOS RIVER blw Platoro Res 2	APR-SEP	75	114	81	68	100	50	66
CONEJOS RIVER nr Mogote 2	APR-SEP	230	119	250	210	330	130	204
COSTILLA CREEK nr Costilla 2	MAR-JUL	25	114	31	19.7	41	8.9	22
RED RIVER bl Fish Hatchery nr Questa	MAR-JUL	36	109	37	34	60	14.6	33
RIO HONDO near Valdez	MAR-JUL	17.5	107	19.3	15.7	32	7.1	16.3
RIO PUEBLO de TAOS nr Taos	MAR-JUL	16.5	105	22	11.3	27	6.0	15.7
RIO PUEBLO de TAOS bl Los Cordovas	MAR-JUL	33	103	44	22	66	13.2	32
RIO CHAMA bin El Vado Dam 2	MAR-JUL	250	110	280	220	420	80	227
SANTA CRUZ RIVER at Cundiyo	MAR-JUL	15.0	96	17.2	12.8	29	6.0	15.6
RIO GRANDE at Otowi Bridge 2	MAR-JUL	825	123	940	710	1640	450	672
SANTA FE RIVER nr Santa Fe 2	MAR-JUL	4.0	100	4.8	3.2	7.0	1.6	4.0
JEMEZ RIVER or Jamez	MAR-JUL	40	91	43	36	66	16.2	4
RIO GRANDE FLOODWAY at San Marcial	2 MAR-JUL	645	188	745	545	1360	295	485

	RESERVOIR STORAGE		(1000AF)		MATERSHE H	D SNONPACK AN	NALYSIS		
RESERVOIR	USEABLE   CAPACITY	** USE THIS YEAR	ABLE STOR/ LAST YEAR	AGE **	WATERSHED	NO. Courses Avg'd	THIS YEA	AR AS X OF	
ABIQUIU	554.5	187.8	182,4	27,6	RIO GRANDE BASIN	21	80	91	
CABALLO	331.5	107.0	219.7	56.7					
COCHITI	502.3	50.9	222.0	39.4					
COSTILLA	16.0	4,8	5.0	4.7					
EL VADO	186.3	165.0	119.0	50,4		No. of the Control of			
ELEPHANT BUTTE	2110.3	2023,0	2091.9	566.0		A STATE OF THE STA			
HERON	400.0	96510	892.0	189.8		Aprilations Vision Visi			

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

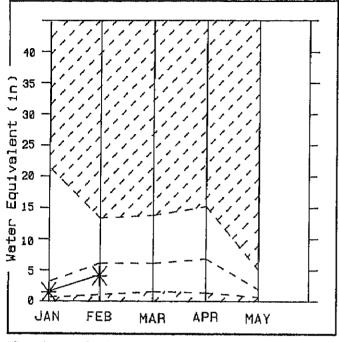
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

(1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

### San Francisco-Gila River Basin

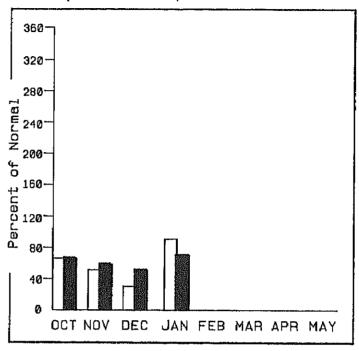
#### Mountain enowpack\* (inches)



\*Based on selected stations

Meximum アファユ Minimum アファブ Averege \_\_\_\_\_

#### Preciptation\* (percent of normal)



\*Besed on selected stations

Monthly precipitation Year to date precipitation

#### WATER SUPPLY OUTLOOK

Snowpack conditions in the Basin have improved somewhat but remain in the below average category at 82 percent of average. Dry conditions for the Water Year have resulted in low soil moisture conditions. Streamflow volume forecasts for the Basin remain in the much below average category. The storm during the first few days of February did little to improve the snowpack in the Basin.

For more information contact your local Soil: Conservation Service office.

#### SAN FRANCISCO - GILA RIVER BASIN

#### STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
					) 14 m m m m m M teruk M reterip ;		~~~~~~~~~~	
ILA RIVER at Gila	FEB-MAY	40	63	69	19.5	99	16.1	63
ILA RIVER near Virden	FEB-MAY	50	60	91	26	134	20	83
AN FRANCISCO RIVER at Glenwood	FEB-MAY	25	64	43	14.4	69	10.2	39
AN FRANCISCO RIVER at Clifton	FEB-MAY	55	65	92	31	132	22	84
RESERVOI	R STORAGE	(	1000AF)	; ; ;	WATE	ershed snowpai	CK ANALYSIS	
USEABLE ; RESERVOIR CAPACITY;		** USEABLE STORAGE ** THIS LAST		-	NATERSHED		THIS	YEAR AS % OF
District (VAI)	on notifi	YEAR	LAST Year avg		HQHLU	AVG		YR. AVERAGE
## ## # FB# - #FF- NO BANCO - A BAY 6- 4 %- 4 %-				SAN	FRANCISCO - G	GILA RIVE 11	61	82

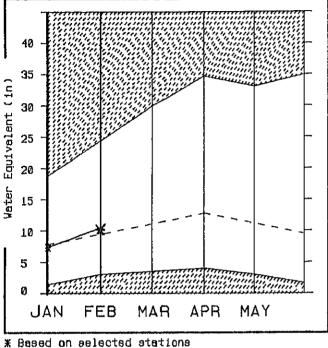
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively. REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

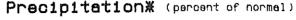
<sup>(1) -</sup> REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.

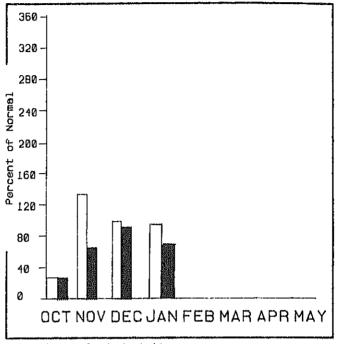
<sup>(2)</sup> - Corrected for upstream diversions or changes in reservoir storage.

### San Juan River Basin

#### Mountain snowpack% (inches)







\* Based on selected stations

Maximum Examp Minimum

Average Current

Monthly precipitation Year to date precipitation

#### WATER SUPPLY OUTLOOK

Snowpack in the Basin remains in the near normal range. Streamflow volume forecasts range from 95 percent of average for the San Juan River nr Archuleta to 107 percent of average for the La Plata River at Hesperus. Streamflow forecasts previously published as inflow to Navajo Reservoir are now published as San Juan River nr Archuleta. Only the name of the forecast point has changed.

For more information contact your local Soil Conservation Service office.

#### SAN JUAN RIVER BASIN

#### STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	,	25 YR. AVG. (1000AF)		
SAN JUAN RIVER nr Archuleta 2	APR-JUL	730	96	775	690	1100	440		764		
ANIMAS RIVER at Durango	APR-SEP	500	103	525	475	695	305		486		
LA PLATA RIVER at Hesperus	APR-SEP	29	107	31	28	43	15.0		27		
RESERVO!	RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS					
RESERVOIR	USEABLE : CAPACITY:	THIS	BLE STORAGE * LAST YEAR AV		ERSHED	NO, COU AVG	RSES		AS % OF		
NAVA JO	1696.0	1196,0	1060.0 916	O SAN	JUAN RIVER BA	SIN 17	10	)8	108		

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

(1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

## SNOW DATA MEASUREMENTS

FEBRUARY 1989

	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
NEW	MEXICO						
	AL AMETOC	0200	2701780	25	3 B	R 4	4 4
	ALAMITOS BATEMAN SNOTEL	9800	2/01/89		6.5	10.1	7.6
	BATEMAN BIG TESUQUE	9800	2/01/89	30	5.4	8.5	7.6
	BIG TESUQUE	10000	1/31/89	19	4.2	5.3	4.0
	BITTER CREEK	8800	1/26/89	11	1.8	5.1	4.0
	BOWL CANYON	8980	2/01/89	29	/,l	8.2	6.2
	CHAMA DIVIDE	7750 9500	2/01/89	14	6.1	4.1	5.0 5.7
	CHAMITA SNOTEL	8500	1/25/89	31	5.9	7.5	6.2
	ELK CABIN	8250	2/01/89	11	2.5	4.8	2.9
	EMORY PASS #2	7800	2/01/89	1	.6	4.0	1.3
	FRISCO DIVIDE SNOTE	L 8000	2/01/89		3.1	4.7	2.0
	FRISCO DIVIDE	8000	1/30/89	8	2.0	4.5	2.4
	BIG TESUQUE BITTER CREEK BOWL CANYON CHAMA DIVIDE CHAMITA SNOTEL CHAMITA ELK CABIN EMORY PASS #2 FRISCO DIVIDE SNOTE FRISCO DIVIDE GALLEGOS PEAK SNOTE GALLEGOS PEAK	L 9500	2/01/89	27	6.4	5.9 6.8	7.0
	HEMATITE PARK	9500	1/27/89	20	3.4	3.4	3.1
	HIDDEN VALLEY	8480	1/30/89	26	6.8	6.6	
	HOPEWELL SNOTEL	10000	2/01/89		12.2	12.0	10.0
	HOPEWELL LAKE	10000	1/31/89	47	12.2	12.1	11.5
	HUMMINGBIRD	8700	1/30/89	11	1.3	6.6	4.9
	LOOKOUT MIN SNOTEL	8150	1/30/89	10	3.0	3.7	3.6
	MCKNIGHT CABIN	9300	1/27/89	10	2.2	7.0	3.7
	MOGOLLON	7000	2/01/89	0	.0*		1.1
	NORTH COSTILLA SNTL	10600	2/01/89		5,4	2.9	2.0
	GALLEGOS PEAK SNOTE GALLEGOS PEAK HEMATITE PARK HIDDEN VALLEY HOPEWELL SNOTEL HOPEWELL LAKE HUMMINGBIRD LA CUEVA LOOKOUT MTN SNOTEL MCKNIGHT CABIN MOGOLLON NORTH COSTILLA SNTL NORTH COSTILLA OJO REDONDO PALO PANCHUELA SNOTEL	10500	1/26/89	21 19	4.8 4.3	4.0	3.5 4.4
	DO KEDOMOO	9300	1/27/89	27	5.5	4.9	5.4
	PALD PANCHUELA SNOTEL PANCHUELA PAYROLE POST OFFICE FLAT QUEMAZON SNOTEL	8300	2/01/89		2.3	4.0	3.5
	PANCHUELA	8300	1/27/89	13	1.9	4.0	3.2
	PAYROLE	10000	1/31/89	30	6.7	7.2	6.1
	PUST OFFICE FEAT	8400	2/01/89	16	4,Z 5.8	7.9 7.0	7.2
	OUFMAZON SNOTEL	9300	1/30/89	25	4.0	6.8	6.1
	RED R PASS #2 SNOTE	L 9800	2/01/89		4.8	4.2	4.0
	PANCHUELA PAYROLE POST OFFICE FLAT QUEMAZON SNOTEL QUEMAZON RED R PASS #2 SNOTE RED RIVER PASS #2 REDSTONE TRAIL RICE PARK	9800	1/27/89	24	5.0	4.4	4.2
	REDSTONE TRAIL	8600	2/01/89		4.5*	 	6,1
	RIO EN MEDIO SAN ANTONIO SINK	9200	1/27/89	32	6.0	4.8	5.4
	SANDOVAL	9500	1/30/89	24	3.1	5.6	4.9
	SENORITA DIVIDE #1	8780	1/30/89	32	5.5	8.6	6.3
	SENORITA DVD #2 SNT		1/30/89		5.2	11.9	6.1
	SENORITA DIVIDE #2 SIERRA BLANCA	8600 10280	1/30/89 1/27/89	32 34	6.7 10.8	9.1 13.1	6.5 
	SIGNAL PEAK SNOTEL	8360	2/01/89		4.0	7.8	6.4
	SILVER CREEK SNOTEL		2/01/89		6.6	10.0	9.9
	SILVER CREEK DIVIDE		2/01/89		6.6+	10.0	7,2
	STATE LINE	8000	1/30/89	9	1.9	5.5	2.7
	TAOS CANYON TAOS POWDERHORN	9000 11250	1/27/89 1/30/89	21 68	4.3 17.6	4.1	3.5 14.3
	TRES RITOS	9000	2/01/89	18	4.4	2.5	4.0
	WESNER SPRINGS	11120	1/30/89	32	6.2	9.8	14.0
	WHISKEY CREEK	9050	2/01/89	27	7.7	8.4	6.8
	WHITEWATER	10750	2/04/89	60	15.0	19.5	14.0

### The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

New Mexico State Engineer

New Mexico Department of Game and Fish

Interstate Stream Commission

**Federal** 

U.S. Department of Agriculture Soil Conservation Service

**Forest Service** 

U.S. Department of Commerce NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Bureau of Indian Affairs
U.S. Department of Defense
Army Corps of Engineers

Los Alamos National Laboratory

Local

Public Service Company of New Mexico

City of Las Vegas Village of Ruidoso

Zuni Tribe

**Bluewater-Toltec Irrigation District** 

Costilla Land Company

Navajo Tribe

Ramah Valley Acequia

**Private** 

Moreno Ranch Vermejo Ranch

Other organizations and individuals furnish information for the snow survey reports.

Their cooperation is gratefully acknowledged.